

In the Claims:

1-18 (cancelled)

19. (new) A method for a novel model for dynamic server-side generation of computer program code which can be executed at the client machine, the method comprising the steps of:

Having an application consisting of three main sections, which subdivide the application into layers of functionality, the Modules section, the Options section and the Content section;

Having an Application Logic Engine;

Having a plurality of server and client computing means;

and having the following interconnected components:

i) An Application Building Engine that functions as a core arbiter that controls and directs the construction of applications and serves as link between all Application Logic Engine modules and other parts of the system;

ii) An Application Descriptor Repository that serves as a data repository that contains details about the application structure, including its modules, options, suboptions and content;

iii) An Application Descriptor Interface that interfaces and acts as an abstraction layer between the Application Building Engine and the Application Descriptor Repository;

iv) An Application Implementation Reference Repository is a data repository that contains client-specific implementation details of an application;

v) An Application Implementation Reference Interface that interfaces the Application Implementation Reference Repository and Application Building Engine; and

vi) An Application Logic Engine Interconnection Pipe which interconnects a plurality of Application Logic Engines.

20. (new) A method for a novel model for dynamic server-side generation of computer program code which can be executed at the client machine, the method comprising the steps of:

Having an application consisting of three main sections, which subdivide the application into layers of functionality, the Modules section, the Options section and the Content section;

Having an Application Logic Engine;

Having a plurality of server and client computing means;

Posting of a request from a client means to a server means;

Examining the request by the server means;

Passing the request to the Application Logic Engine on the Server means;

Having said request contain an application identifier and functionality information; Having said application identifier referring to the type of service in the request;

Having said Server implement required functionality in a Client-specific language and fulfill the request;

Retrieving all application structure details including modules, options and suboptions from a data repository;

Retrieving the required platform and environment information that implements the required functionality;

Interfacing the application structures and required functionality; and

Delivering the finished application or an error message if application does not implement all logical descriptors required by the client means application request.

21. (now) A computer program product for a novel model for dynamic server-side generation of computer program code which can be executed at the client machine, the computer program product comprising a computer usable medium having computer readable program code thereon, including:

Computer code for having an application consisting of three main sections, which subdivide the application into layers of functionality, the Modules section, the Options section and the Content section;

Computer code for having an Application Logic Engine;

Having a plurality of server and client computing means; and

Having said Logic Engine having the following interconnected components:

- i) An Application Building Engine that functions as a core arbiter that controls and directs the construction of applications and serves as link between all Application Logic Engine modules and other parts of the system;
- ii) An Application Descriptor Repository that serves as a data repository that contains details about the application structure, including its modules, options, suboptions and content;
- iii) An Application Descriptor Interface that interfaces and acts as an abstraction layer between the Application Building Engine and the Application Descriptor Repository;
- iv) An Application Implementation Reference Repository is a data repository that contains client-specific implementation details of an application;
- v) An Application Implementation Reference Interface that interfaces the Application Implementation Reference Repository and Application Building Engine; and
- vi) An Application Logic Engine Interconnection Pipe which interconnects a plurality of Application Logic Engines.

22. (new) A computer program product used to add a new terminal device to a system, the computer program product comprising a computer usable medium having computer readable program code thereon, including:

Computer code for having an application consisting of three main sections, which subdivide the application into layers of functionality, the Modules section, the Options section and the Content section;

Computer code for having an Application Logic Engine;

Having a plurality of server and client computing means;

using the computer program in claim 10 with interfaces and the program code for used for:

Posting of a request from a client means to a server means;

Examining the request by the server means;

Passing the request to the Application Logic Engine on the Server means;

Having said request contain an application identifier and functionality information;

Having said application identifier referring to the type of service in the request;

Having said Server implement required functionality in a Client-specific language and fulfill the request;

Retrieving all application structure details including modules, options and suboptions from a data repository;

Retrieving the required platform and environment information that implements the required functionality;

Interfacing the application structures and required functionality; and

Delivering the finished application or an error message if application does not implement all logical descriptors required by the client means application request.